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RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/844,281

DATE: 11/13/2001  
TIME: 14:54:31

Input Set : A:\09844281.txt  
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3 <110> APPLICANT: Mangold, Beverly L.  
4       Aldrich, Jennifer L.  
5       O'Brien, Thomas  
7 <120> TITLE OF INVENTION: Anthrax Specific Antibodies  
9 <130> FILE REFERENCE: 38602.0003  
11 <140> CURRENT APPLICATION NUMBER: 09/844,281  
12 <141> CURRENT FILING DATE: 2001-04-30  
14 <150> PRIOR APPLICATION NUMBER: 60/200,505  
15 <151> PRIOR FILING DATE: 2000-04-28  
17 <160> NUMBER OF SEQ ID NOS: 3  
19 <170> SOFTWARE: PatentIn version 3.1  
21 <210> SEQ ID NO: 1  
22 <211> LENGTH: 833  
23 <212> TYPE: PRT  
24 <213> ORGANISM: Bacillus anthracis  
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37               35                   40                   45  
40 Ile Phe Thr Lys Ile Leu Asn Leu Pro Val Asp Glu Asn Ala Gln Pro  
41       50               55                   60  
44 Ser Phe Lys Asp Ala Lys Asn Ile Trp Ser Ser Lys Tyr Ile Ala Ala  
45       65               70                   75                   80  
48 Val Glu Lys Ala Gly Val Val Lys Gly Asp Gly Lys Glu Asn Phe Tyr  
49       85               90                   95  
52 Pro Glu Gly Lys Ile Asp Arg Ala Ser Phe Ala Ser Met Leu Val Ser  
53       100              105                   110  
56 Ala Tyr Asn Leu Lys Asp Lys Val Asn Gly Glu Leu Val Thr Thr Phe  
57       115              120                   125  
60 Glu Asp Leu Leu Asp His Trp Gly Glu Glu Lys Ala Asn Ile Leu Ile  
61       130              135                   140  
64 Asn Leu Gly Ile Ser Val Gly Thr Gly Lys Trp Glu Pro Asn Lys  
65       145              150                   155                   160  
68 Ser Val Ser Arg Ala Glu Ala Ala Gln Phe Ile Ala Leu Thr Asp Lys  
69       165              170                   175  
72 Lys Tyr Gly Lys Lys Asp Asn Ala Gln Ala Tyr Val Thr Asp Val Lys  
73       180              185                   190  
76 Val Ser Glu Pro Thr Lys Leu Thr Leu Thr Gly Thr Gly Leu Asp Lys  
77       195              200                   205  
80 Leu Ser Ala Asp Asp Val Thr Leu Glu Gly Asp Lys Ala Val Ala Ile  
81       210              215                   220  
84 Glu Ala Ser Thr Asp Gly Thr Ser Ala Val Val Thr Leu Gly Gly Lys  
85       225              230                   235                   240  
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96	Thr Phe Asp Asp Asp Arg Ala Gly Gln Ala Ile Ala Phe Lys Leu Asn			
97	275	280	285	
100	Asp Glu Lys Gly Asn Ala Asp Val Glu Tyr Leu Asn Leu Ala Asn His			
101	290	295	300	
104	Asp Val Lys Phe Val Ala Asn Asn Leu Asp Gly Ser Pro Ala Asn Ile			
105	305	310	315	320
108	Phe Glu Gly Glu Ala Thr Ser Thr Thr Gly Lys Leu Ala Val Gly			
109	325	330	335	
112	Ile Lys Gln Gly Asp Tyr Lys Val Glu Val Gln Val Thr Lys Arg Gly			
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116	Gly Leu Thr Val Ser Asn Thr Gly Ile Ile Thr Val Lys Asn Leu Asp			
117	355	360	365	
120	Thr Pro Ala Ser Ala Ile Lys Asn Val Val Phe Ala Leu Asp Ala Asp			
121	370	375	380	
124	Asn Asp Gly Val Val Asn Tyr Gly Ser Lys Leu Ser Gly Lys Asp Phe			
125	385	390	395	400
128	Ala Leu Asn Ser Gln Asn Leu Val Val Gly Glu Lys Ala Ser Leu Asn			
129	405	410	415	
132	Lys Leu Val Ala Thr Ile Ala Gly Glu Asp Lys Val Val Asp Pro Gly			
133	420	425	430	
136	Ser Ile Ser Ile Lys Ser Ser Asn His Gly Ile Ile Ser Val Val Asn			
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140	Asn Tyr Ile Thr Ala Glu Ala Ala Gly Glu Ala Thr Leu Thr Ile Lys			
141	450	455	460	
144	Val Gly Asp Val Thr Lys Asp Val Lys Phe Lys Val Thr Thr Asp Ser			
145	465	470	475	480
148	Arg Lys Leu Val Ser Val Lys Ala Asn Pro Asp Lys Leu Gln Val Val			
149	485	490	495	
152	Gln Asn Lys Thr Leu Pro Val Thr Phe Val Thr Thr Asp Gln Tyr Gly			
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160	Thr Gly Val Val Ala Glu Gly Leu Asp Val Val Thr Thr Asp Ser			
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164	Gly Ser Ile Gly Thr Lys Thr Ile Gly Val Thr Gly Asn Asp Val Gly			
165	545	550	555	560
168	Glu Gly Thr Val His Phe Gln Asn Gly Asn Gly Ala Thr Leu Gly Ser			
169	565	570	575	
172	Leu Tyr Val Asn Val Thr Glu Gly Asn Val Ala Phe Lys Asn Phe Glu			
173	580	585	590	
176	Leu Val Ser Lys Val Gly Gln Tyr Gly Gln Ser Pro Asp Thr Lys Leu			
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185	625	630	635	640

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188 Glu Ser Lys Asn Leu Ala Val Ala Asp Ala Lys Ile Val Gly Asn Lys  
189 645 650 655  
192 Val Val Val Thr Gly Lys Thr Pro Gly Lys Val Asp Ile His Leu Thr  
193 660 665 670  
196 Lys Asn Gly Ala Thr Ala Gly Lys Ala Thr Val Glu Ile Val Gln Glu  
197 675 680 685  
200 Thr Ile Ala Ile Lys Ser Val Asn Phe Lys Pro Val Gln Thr Glu Asn  
201 690 695 700  
204 Phe Val Glu Lys Lys Ile Asn Ile Gly Thr Val Leu Glu Leu Glu Lys  
205 705 710 715 720  
208 Ser Asn Leu Asp Asp Ile Val Lys Gly Ile Asn Leu Thr Lys Glu Thr  
209 725 730 735  
212 Gln His Lys Val Arg Val Val Lys Ser Gly Ala Glu Gln Gly Lys Leu  
213 740 745 750  
216 Tyr Leu Asp Arg Asn Gly Asp Ala Val Phe Asn Ala Gly Asp Val Lys  
217 755 760 765  
220 Leu Gly Asp Val Thr Val Ser Gln Thr Ser Asp Ser Ala Leu Pro Asn  
221 770 775 780  
224 Phe Lys Ala Asp Leu Tyr Asp Thr Leu Thr Thr Lys Tyr Thr Asp Lys  
225 785 790 795 800  
228 Gly Thr Leu Val Phe Lys Val Leu Lys Asp Lys Asp Val Ile Thr Ser  
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254 <213> ORGANISM: Bacillus anthracis  
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258 Asp Glx Lys Glx Asn Ala Gln Ala Tyr Val Thr Asp  
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VERIFICATION SUMMARY

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